

AMENDMENTS TO THE CLAIMS

Please amend the claims as follows:

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1. (Currently Amended) A method of modifying a memory in a battery unit of a mobile information handling device comprising:
assigning a predetermined data word to an available address in memory;
receiving data in a non-reprogrammable section of the memory;
modifying a programmable section of the memory if the received data complies with the predetermined data word; and
performing a checksum of registers in the memory; whereby the foregoing is accomplished by:
providing a processor;
interfacing a controller between the processor and the battery unit for
checking battery unit presence;
coupling a monitor to the processor to determine the battery unit updating requirements; and
coupling a flash device to the processor for providing an updated battery unit configuration.
 2. (Original) The method of modifying a memory in a battery unit of a mobile information handling device of claim 1 further comprising:
multiplexing the received data with a control signal before the non-programmable section of the memory receives the data.
 3. (Original) The method of modifying a memory in a battery unit of a mobile information handling device of claim 1 further comprising:
performing additional security measures prior to modifying the programmable section of the memory.

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4. (Original) The method of modifying a memory in a battery unit of a mobile information handling device of claim 2 further comprising:
performing additional security measures prior to modifying the programmable section of the memory.

5. (Original) The method of modifying a memory in a battery unit of a mobile information handling device of claim 1 further comprising:
controlling sent data from a firmware control hub in the mobile information handling device.

6. (Original) The method of modifying a memory in a battery unit of a mobile information handling device of claim 2 further comprising:
controlling sent data from a firmware control hub in the mobile information handling device.

7. (Original) The method of modifying a memory in a battery unit of a mobile information handling device of claim 3 further comprising:
controlling sent data from a firmware control hub in the mobile information handling device.

8. (Original) The method of modifying a memory in a battery unit of a mobile information handling device of claim 1 wherein data is transmitted along a system management bus.

9. (Original) The method of modifying a memory in a battery unit of a mobile information handling device of claim 2 wherein data is transmitted along a system management bus.

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10. (Original) The method of modifying a memory in a battery unit of a mobile information handling device of claim 3 wherein data is transmitted along a system management bus.

11. (Original) The method of modifying a memory in a battery unit of a mobile information handling device of claim 4 wherein data is transmitted along a system management bus.

12. (Original) The method of modifying a memory in a battery unit of a mobile information handling device of claim 5 wherein data is transmitted along a system management bus.

13. (Original) The method of modifying a memory in a battery unit of a mobile information handling device of claim 6 wherein data is transmitted along a system management bus.

14. (Original) The method of modifying a memory in a battery unit of a mobile information handling device of claim 7 wherein data is transmitted along a system management bus.

15. (Currently Amended) A mobile information handling device wherein a memory in a battery unit powering the mobile information handling device is reprogrammed comprising:
a processor;
a computer readable medium coupled to the processor; and
computer code, encoded in the computer readable medium configured to cause the processor to:
assign a predetermined data word to an available address in memory;
receive data in a non-reprogrammable section of the memory;

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modify a programmable section of the memory if the received data
complies with the predetermined data word; and
perform a checksum of registers in the memory, wherein the information
handling device includes:
a monitor coupled to the processor to determine the battery unit
updating requirements; and
a flash device coupled to the processor to provide an updated
battery unit configuration.

16. (Original) The mobile information handling device of claim 15
wherein the processor further:
multiplexes the received data with a control signal before the non-programmable
section of the memory receives the data.

17. (Original) The mobile information handling device of claim 15
wherein the processor further:
performs additional security measures prior to modifying the programmable
section of the memory.

18. (Original) The mobile information handling device of claim 16
wherein the processor further:
performs additional security measures prior to modifying the programmable
section of the memory.

19. (Original) The mobile information handling device of claim 16
wherein a firmware control hub in the mobile information handling device controls
sent data.

B1 20. (Original) The mobile information handling device of claim 17 wherein a firmware control hub in the mobile information handling device controls sent data.

21. (Original) The mobile information handling device of claim 18 wherein a firmware control hub in the mobile information handling device controls sent data.

22. (Original) The mobile information handling device of claim 15 wherein data is transmitted along a system management bus.

23. (Original) The mobile information handling device of claim 16 wherein data is transmitted along a system management bus.

24. (Original) The mobile information handling device of claim 17 wherein data is transmitted along a system management bus.

25. (Original) The mobile information handling device of claim 18 wherein data is transmitted along a system management bus.

26. (Original) The mobile information handling device of claim 19 wherein data is transmitted along a system management bus.

27. (Original) The mobile information handling device of claim 20 wherein data is transmitted along a system management bus.

28. (Original) The mobile information handling device of claim 21 wherein data is transmitted along a system management bus.

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29. (Cancelled).

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